

Notice of Allowability

Application No.

10/764,084

Examiner

Lana N. Le

Applicant(s)

DEPPE ET AL.

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1 ☒ This communication is responsive to 1/23/04.

2 ☒ The allowed claim(s) is/are _____.

3 ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with applicant's representative, Aaron Waxler, on 4/13/06.
3. The application has been amended as follows:
 - in claim 1, line 5, before "intervals", add ---time---;
 - in claim 7, line 9, before "set of", delete ---the---, and add ---a---;
 - in claim 8, line 3, before "information", add ---the---;
 - in claim 8, line 4, before "control", delete ---the---;
 - in claim 8, line 4, before "potential", delete ---the--- and add ---a---;
 - in claim 10, line 3, before "control", delete ---the---;
 - in claim 11, line 2, before "information", add ---an---;
 - in claim 11, line 3, before "information", add ---an---;
 - in claim 11, line 7, before "time", delete ---the---; add ---a---;
 - in claim 11, line 8, before "time", delete ---the---; add ---a---;
 - in claim 11, line 8, before "potential", delete ---the---; add ---a---;
 - in claim 11, line 9, after "between", add ---the---;
 - in claim 11, line 9, after "and", add ---the---;

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- in claim 15, line 2, before "current", delete ---the---; add ---a---;
- in claim 15, line 2, before "set", delete ---the---; add ---a---;
- in claim 15, line 6, before "maximum", delete ---the---; add ---a---;
- in claim 15, line 6, after "defined as", delete ---the---; add ---a---;
- in claim 15, line 7, before "minimum", delete ---the---; add ---a---;
- in claim 16, line 6, before "maximum", delete ---the---; add ---a---;
- in claim 16, line 6, after "defined as", delete ---the---; add ---a---;
- in claim 16, line 7, before "minimum" delete ---the---; add ---a---;

REASON FOR ALLOWANCE

4. Claims 1-18 are allowable over the cited prior art.
5. The following is an examiner's statement of reasons for allowance:

Regarding independent claim 1, Bennett et al (US 4,484,354) disclose a method of transmitting information between an information transmitter (encoder circuit 70) and an information receiver (receiver at node 59); having the steps:

closing of a switching means (14, 15, 16) of the information transmitter to an information memory (17, 18, 19), only within the time interval (switch turned on and off at appropriate time intervals by pulses in phase control circuit 21; col 5, lines 8-27); and transmission and storage of the information in the information memory (17, 18, 19; col 5, lines 8-27).

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Flaxl (US 2002/0,016,713) discloses a method of transmitting information between an information transmitter and an information receiver (via transponder 10; fig. 1); having the steps:

closing of a switching means (16, 18, 20) of the information transmitter to an information memory (30) only for a short duration to supply voltage during a transmission phase (para. 12); and transmission and storage of the information in the information memory (30) (para. 11).

However, Bennett et al, Flaxl, and the cited prior art fail to disclose:

the potential difference of which moves in cycles between a minimum value and a maximum value and is situated at the minimum value for regular intervals;

provision of information about the time interval or determination of the time interval in which the potential difference between information transmitter and information receiver reaches its minimum value;

closing of the switching means of the information transmitter to the information memory assigned to the information receiver only within the time interval.

Regarding claim 11, Bennett et al (US 4,484,354) disclose a device (70) having switching means (14-16) which closes a connection from the information transmitter to an information memory (17-19) (col 5, lines 8-27).

Flaxl discloses a device (10) providing information about when (during a short duration) in which the power supply between information transmitter and information receiver reaches its minimum value (para. 12);

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switching means (16,18, 20) which closes a connection from the information transmitter to an information memory (30) (para. 11).

However, Bennett et al, Flaxl, and the cited prior art fail to disclose:

a driver circuit for controlling upper switching means as information receiver and lower switching means as information transmitter for converting a DC voltage into a clocked output voltage which has a high-voltage part for controlling the upper switching means and a low-voltage part for controlling the lower switching means;

a device for providing information about a time interval or for determining a time interval in which the potential difference between information transmitter and information receiver reaches its minimum value; switching means which closes the connection from the information transmitter to the memory for the information which is assigned to the information receiver, only within the time interval.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lana N. Le whose telephone number is (571) 272-7891. The examiner can normally be reached on M-F 9:30-18:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lana Le

Lana N. Le
04-16-06
LANA LE
PRIMARY EXAMINER